

Converting Colors

$Y_{xy}(59.0440, 0.2573, 0.3314)$

Have a look what the booklet for
Yxy(59.0440, 0.2573, 0.3314)
contains.

Yxy(59.0440, 0.2573, 0.3314)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(59.0440, 0.2573, 0.3314)

Conversions

Conversions Part 1

Format	Color
Hex	7FD9D7
RGB	127, 217, 215
RGB Percent	50%, 85%, 84%
CMY	0.5016, 0.1491, 0.1568
CMYK	0.41, 0.00, 0.01, 0.15
HSL	179°, 54%, 67%
HSV	179°, 41%, 85%
XYZ	45.8419, 59.0440, 73.2794
YIQ	189.8620, -52.9980, -19.7020

Conversions

Conversions Part 2

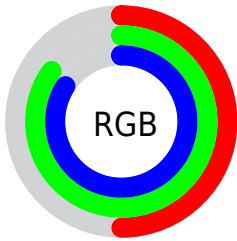
Format	Color
RYB	127, 173, 217
Decimal	8378839
CIELab	81.32, -27.35, -7.48
CIElCh	81, 28.356, 195.301
Yxy	59.0440, 0.2573, 0.3314
Android (android.graphics.Color)	4286568919 (0xFF7FD9D7)
YUV	189.8620, 12.3930, -55.1300
Hunter-Lab	76.8401, -27.9790, -2.7545

Details

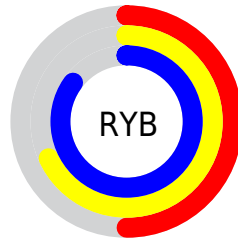
The Yxy color **59.0440, 0.2573, 0.3314** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.5390, 0.4165, 0.3269**, and the grayscale version is **51.3723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9303, 0.2721, 0.3289**, and **29.6808, 0.2440, 0.3323** is the 20% darker color. If you saturate the color by 10%, you get **57.5299, 0.2476, 0.3321**, and if you desaturate by 10%, it is **60.9217, 0.2687, 0.3308**.

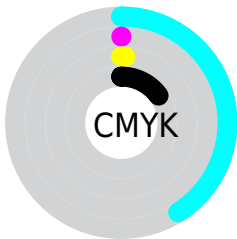
Distribution



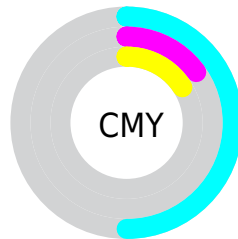
- Red (50%)
- Green (85%)
- Blue (84%)



- Red (50%)
- Yellow (68%)
- Blue (85%)



- Cyan (41%)
- Magenta (0%)
- Yellow (1%)
- Black (15%)





- Cyan (50%)
- Magenta (15%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.0440, 0.2573, 0.3314 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 59.0440, 0.2573, 0.3314 by changing the saturation by 10% instead.

 59.0440, 0.2573,
0.3314


 59.0440, 0.2573,
0.3314

421.0650, 0.2835,
0.3308

 42.6485, 0.2512,
0.3314


 103.4416, 0.2665,
0.3313

 29.6095, 0.2436,
0.3314


 132.2126, 0.2700,
0.3312

 19.5423, 0.2339,
0.3312


 165.8774, 0.2731,
0.3311

 12.0628, 0.2211,
0.3307

204.8207, 0.2757,
0.3310

 6.7865, 0.2034,
0.3296

249.4267, 0.2780,
0.3310

 3.3289, 0.1777,
0.3270

300.0798, 0.2801,

 1.3058, 0.1294,

0.3309

357.1644, 0.2819,
0.3308

0.3231

0.1457, 0.0000,
0.1760

0.0000, 0.0000,
0.0000

59.0440, 0.2573,
0.3314

59.0440, 0.2573,
0.3314

57.5299, 0.2476,
0.3321

60.9217, 0.2687,
0.3308

56.3491, 0.2397,
0.3328


63.1771, 0.2816,
0.3301


55.4781, 0.2337,
0.3335


65.8321, 0.2956,
0.3296

54.8869, 0.2297,
0.3342

68.9050, 0.3105,
0.3291

 54.5401, 0.2274,
0.3349


 72.4127, 0.3260,
0.3286

 54.3850, 0.2265,
0.3355

 75.9357, 0.3401,
0.3282

 75.9606, 0.3397,
0.3277

 75.9857, 0.3394,
0.3272

 76.0108, 0.3391,
0.3267

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.0440, 0.2842, 0.3662



59.0440, 0.2573, 0.3314



59.0440, 0.2450, 0.2984

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



59.0440, 0.2573, 0.3314



59.0440, 0.3023, 0.2763



59.0440, 0.3792, 0.3791

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



59.0440, 0.2573, 0.3314



31.5390, 0.4165, 0.3269

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



59.0440, 0.3855, 0.3528



59.0440, 0.2573, 0.3314



59.0440, 0.3396, 0.2955

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



59.0440, 0.2573, 0.3314



59.0440, 0.2698, 0.2692



59.0440, 0.3708, 0.3228



59.0440, 0.3547, 0.3939

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.0440, 0.2573, 0.3314



59.0440, 0.2461, 0.2822



59.0440, 0.3708, 0.3228



59.0440, 0.3836, 0.3712

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



59.0463, 0.2573, 0.3314



94.6081, 0.2946, 0.3296



55.9077, 0.3087, 0.4557



20.1359, 0.2927, 0.3297



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.0463, 0.2573, 0.3314



83.1114, 0.2484, 0.3320



40.2024, 0.2470, 0.2711



14.8244, 0.2985, 0.3295



32.9276, 0.2265, 0.3354



2.1348, 0.2262, 0.3342

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



31.5390, 0.4165, 0.3269



38.1880, 0.4528, 0.3266



44.6769, 0.3967, 0.3799



13.0561, 0.3288, 0.3285



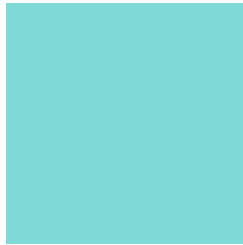
8.9383, 0.6376, 0.3286



0.5807, 0.6300, 0.3244

Previews

White Background



This preview shows how the Yxy color 59.0440, 0.2573, 0.3314 looks on a white background.

Color Contrast Check

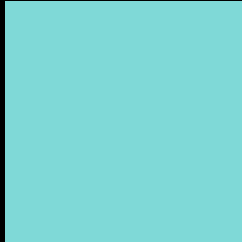
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 59.0440, 0.2573, 0.3314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

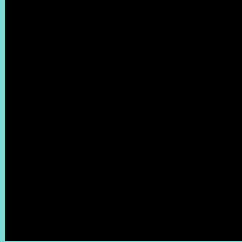
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

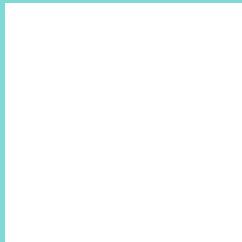
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.0440, 0.2573, 0.3314

Background



This preview shows how black text looks on a background with the Yxy color 59.0440, 0.2573, 0.3314.



This preview shows how white text looks on a background with the Yxy color 59.0440, 0.2573, 0.3314.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

59.0440, 0.2573, 0.3314

Protanopia

58.4128, 0.3114, 0.3231

Deuteranopia

58.1946, 0.3078, 0.3006



Tritanopia

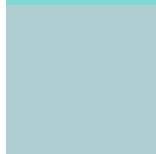
58.8249, 0.2505, 0.3062

Trichromacy



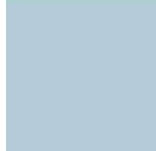
Original Color

59.0440, 0.2573, 0.3314



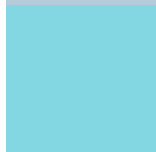
Protanomaly

57.8600, 0.2881, 0.3252



Deuteranomaly

57.5976, 0.2864, 0.3108



Tritanomaly

58.8377, 0.2527, 0.3148

Monochromacy



Original Color

59.0440, 0.2573, 0.3314



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

53.6476, 0.2887, 0.3302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.0440, 0.2573, 0.3314 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(127, 217, 215)` looks like.

```
.text, #text, p{  
    color:rgb(127, 217, 215)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(127, 217, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 217, 215) }
```

Border

The CSS property to change the border of an element to Yxy 59.0440, 0.2573, 0.3314 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 217, 215) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(127, 217, 215) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(127, 217, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 217, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 217, 215);  
box-shadow:4px 4px 4px 4px rgb(127, 217,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 59.0440, 0.2573, 0.3314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 217, 215) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(127,  
217, 215) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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